Ryan Abeysinghe

 github.com/ryanabeysinghe | linkedin.com/in/ryan-abeysinghe | ryanabeysinghe.com
 ryanabeysinghe75@gmail.com | 301-873-8012 | College Park, MD

Education

University of Maryland — Sep. 2019 – Dec. 2023
*Bachelor of Science in **Computer Science**, Minor in **Global Engineering Leadership*** — *College Park, MD*
Awards/Scholarships: Dean's List, Clifford & Camille Kendall CMNS Scholarship, CMNS Undergraduate Scholarship

Relevant Coursework

- Artificial Intelligence
- Web Development
- Computer Vision
- Network Security
- Algorithms Analysis
- iOS Development
- Data Structures
- Data Science

Experience

Consumer Technology Association — Jul. 2023 – Present
Full Stack Software Developer Intern — *Arlington, VA*
- Oversee full-stack development and ongoing codebase maintenance for CTA/CES web apps and related web initiatives.
- Engage in problem-solving and debugging processes for web apps to ensure optimal functionality and performance.
- Built **UI**s using **JavaScript**, **HTML**, and **CSS**, while actively operating in **CMS** for website maintenance purposes.

FINRA (Financial Industry Regulatory Authority) — May 2022 – Aug. 2022
Software Developer Intern — *Rockville, MD*
- Collaborated with FINRA CAT's (consolidated audit trail) technical team, enhanced and maintained application code through requirement reviews, test cases, utilizing **AWS** services, **Java**, **SQL**, and **Python** programming languages.
- Architected and integrated a scalable STRESS testing infrastructure for FINRA CAT's application, utilizing AWS cloud-based resources to support high-volume integration and penetration testing; increased test coverage by **3%**.
- Facilitated integration and maintenance of code/scripts within CAT's team repository, leveraging **Jenkins** pipelines for efficient continuous integration/delivery (**CI/CD**), enabling streamlined code deployment to production environments.

WESTAT — Jul. 2021 – May 2022
Help Desk Analyst — *Rockville, MD*
- Primary focus on PC/Laptop support, which includes new system preparation, system re-imaging, problem troubleshooting, repair, and shipping logistics.
- Established secure Wi-Fi, LAN, and VPN networks at remote locations, leading client/server configuration of crucial infrastructure to ensure seamless business operations.
- Identified system hardware, network infrastructure, connectivity issues that prevented execution of user-initiated tasks.

Projects

TerpExchange iOS App | *Swift, Google Firebase* — May 2023 – Present
- Developed iOS app in **Swift**, enabling students to buy and sell products seamlessly within UMD campus community.
- Integrated **Cloud Firestore** as the backend data storage solution to store items listings, user reviews, and information.
- Designed real-time, responsive user interface (**UI**) capable of dynamically presenting actively posted student items.
- Leveraged **Google Firebase** Authentication to establish a robust student-affiliated authentication system among UMD students, mitigating scam risks and ensuring secure access.

R & S Constructions LLC Website | *React.js, Next.js, JavaScript, HTML, Tailwind CSS* — Jul. 2023 – Present
- Developed fully responsive website using **JavaScript**, **HTML**, and **CSS** utilizing **React JavaScript** Framework to elevate user experience (**UX**) for general contracting purposes.
- Executed **SEO** best practices to optimize company's web traffic by establishing sitemap, meta tags, robots.txt, images, internal links, semantic **HTML**, titles/headings, optimized keywords.
- Established Domain, Domain Nameservers, SSL certificate, Cloudflare CDN, and DNS Zone editor configuration utilizing hosting provider Hostinger.

COVID-19 Data Science App | *Python, HTML, Markdown, Jupyter Notebook* — Sep. 2021 – Dec. 2021
- Co-developed tutorial leveraging **Python**, **HTML**, and **Markdown** within a **Jupyter Notebook** to assess the impact of maintaining a healthier diet on individuals' ability to combat COVID-19.
- Leveraged **Python** regression analysis, null-hypothesis testing, and exploratory data analysis techniques to investigate the relationship between individual health factors and COVID-19 mortality rates, validating popular assumptions.

Technical Skills

Programming Languages: JavaScript, HTML, CSS, Java, Python, Swift
Frameworks: React.js, Next.js, Express.js
Applications/Others: Git, Node.js, APIs, MongoDB, Google Firebase, Apache, Docker, Maven